

IN THE CLAIMS:

Please amend Claims 5 and 12, and add new Claims 16-20. All pending claims are reproduced for the convenience of examination.

- 1 1. (Not amended) A method for performing textured mapping of a target area, the method
2 comprising the steps of:
3 receiving input that defines a texture image; and
4 covering the target area in an aperiodic tiling pattern with tiles generated from said
5 texture image.
- 1 2. (Not amended) The method of Claim 1, wherein the step of receiving input that defines
2 the texture image includes the step of scanning one or more texture images into memory.
- 1 3. (Not amended) The method of Claim 1, wherein the step of covering the target area
2 includes the steps of:
3 selecting an aperiodic tiling pattern;
4 generating a set of textured tiles based on said aperiodic tiling pattern; and
5 applying the textured tiles to the target area.
- 1 4. (Not amended) The method of Claim 3, wherein the step of applying the textured
2 aperiodic tiles to the target area includes the steps of:
3 covering the target area with one or more aperiodic tiles, wherein the one or more
4 aperiodic tiles are based on the aperiodic tiling pattern; and
5 mapping a corresponding textured tile to each of the one or more aperiodic tiles.
- 1 5. (Once amended) The method of Claim 3, wherein the step of applying the textured tiles
2 to the target area includes the steps of:

A2
cont

3 generating a tiling, wherein the tiling is associated with tiles based on said aperiodic
4 tiling pattern; [and] C
5 covering the target area with said tiling; and
6 mapping the textured tiles to the tiles associated with said tiling.

1 6. (Not amended) The method of Claim 5, wherein the step of generating the tiling includes
2 the steps of:
3 determining a substitution tiling level; and
4 performing a tiling substitution based on said substitution tiling level to generate said
5 tiling.

1 7. (Not amended) The method of Claim 1, wherein the step of receiving input that defines
2 the texture image includes the step of generating the texture image using a computer
3 aided drawing program.

1 8. (Not amended) A computer-readable medium carrying one or more sequences of
2 instructions for performing textured mapping of a target area, wherein execution of the
3 one or more sequences of instructions by one or more processors causes the one or more
4 processors to perform the steps of:
5 receiving input that defines a texture image; and
6 covering the target area in an aperiodic tiling pattern with tiles generated from said
7 texture image.

1 9. (Not amended) The computer-readable medium of Claim 8, wherein the step of receiving
2 input that defines the texture image includes the step of scanning one or more texture
3 images into memory.

1 10. (Not amended) The computer-readable medium of Claim 8, wherein the step of covering
2 the target area includes the steps of:
3 selecting an aperiodic tiling pattern;
4 generating a set of textured tiles based on said aperiodic tiling pattern; and
5 applying the textured tiles to the target area.

1 11. (Not amended) The computer-readable medium of Claim 10, wherein the step of
2 applying the textured aperiodic tiles to the target area includes the steps of:
3 covering the target area with one or more aperiodic tiles, wherein the one or more
4 aperiodic tiles are based on the aperiodic tiling pattern; and
5 mapping a corresponding textured tile to each of the one or more aperiodic tiles.

1 12. (Once amended) The computer-readable medium of Claim 10, wherein the step of
2 applying the textured tiles to the target area includes the steps of:
3 generating a tiling, wherein the tiling is associated with tiles based on said aperiodic
4 tiling pattern; [and]
5 covering the target area with said tiling; and
6 mapping the textured tiles to the tiles associated with the tiling.

1 13. (Not amended) The computer-readable medium of Claim 8, wherein the step of receiving
2 input that defines the texture image includes the step of generating the texture image
3 using a computer aided drawing program.

1 14. (Not amended) The computer-readable medium of Claim 12, wherein the step of
2 generating the tiling includes the steps of:
3 determining a substitution tiling level; and

4 performing a tiling substitution based on said substitution tiling level to generate said
5 tiling.

1 15. (Not amended) A system for performing textured mapping of a target area, the system
2 comprising:
3 a display screen;
4 a target area on said display screen;
5 memory storing a textured image; and
6 a plurality of texture tiles generated from said texture image and arranged on said screen
7 display in an aperiodic pattern that substantially covers said target region.

1 16. (New) The system of Claim 15, further comprising:
2 means for selecting said aperiodic pattern

Sub
B5

1 17. (New) An apparatus for performing textured mapping of a target area, the
2 apparatus comprising:
3 means for receiving input that defines a texture image; and
4 means for covering the target area in an aperiodic tiling pattern with tiles
5 generated from said texture image.

A4

1 18. (New) The apparatus of claim 17, wherein said means for covering the
2 target area includes:
3 means for selecting said aperiodic tiling pattern;
4 means for generating a set of textured tiles based on said aperiodic tiling
5 pattern; and
6 means for applying the textured tiles to the target area.

Sub
B6

1 19. (New) The apparatus of claim 18, wherein said means for applying the
2 textured tiles to the target area includes:
3 means for covering the target area with one or more aperiodic tiles, wherein
4 the one or more aperiodic tiles are based on the aperiodic tiling
5 pattern; and
6 means for mapping a corresponding textured tile to each of the one or more
7 aperiodic tiles.

1 20. (New) The apparatus of claim 18, wherein said means for applying the
2 textured tiles to the target area includes:
3 means for generating a tiling, wherein the tiling is associated with tiles
4 based on said aperiodic tiling pattern
5 means for covering the target area with said tiling; and
6 means for mapping the textured tiles to the tiles associated with said tiling.